AMENDMENTS TO THE SPECIFICATION

-- Please add the following Brief Description of the Drawings section:

Brief Description of the Drawings

Figure 1 illustrates a storage medium according to the invention.

-- Please replace ¶ 4 on p. 2 with the following amended replacement paragraph:

Especially with a locally circumscribed irradiation of the storage medium, as for example with a focused radiation, particularly by means of a focused laser radiation, in spots of local warming, the metallic ions may be locally transferred in high concentrations from the donor medium ~~onto~~ into the storage medium, where the metallic ions are laid out particularly in the proximity of the surface.

-- Please replace ¶ 3 on p. 3 with the following amended replacement paragraph:

The transfer of metallic ions from the donor medium to the storage medium is preferably done in a low-temperature range, represented by temperatures below the transformation temperature of the dielectric material, as for example glass, whereby the transformation temperature, for example of glass, is given by the temperature at which the elastic properties of the glass shift into visco-elastic properties. Below this borderline

temperature, which in the case of plate glass lies for ex. in the vicinity of 530°C, metallic ions may effectively be doped by the described method ~~onto~~ into the dielectric medium, especially glass.

-- Please replace ¶ 1 on p. 6 with the following amended replacement paragraph:

Any desired radiation ~~at will~~ may be utilized to accomplish the above-mentioned radiation effects of local doping and/or local reduction of metal ions~~, as for~~. For example, electro-magnetic radiation (e.g., gamma, X-ray), in particular laser radiation, ~~gamma, X-ray, substance~~ particle radiation, ion radiation, etc. may be used.

-- Please replace ¶ 5 on p. 7 with the following amended replacement paragraph:

Inasmuch as in the previously described possibilities of local or even uniform doping of a dielectric storage material with metallic ions, such metallic ion doping may be arranged ~~on~~ proximate to at least one side, especially near the surface of the storage material, it is advisable in a preferred embodiment for the layer of material capable of acting as a protective layer and/or as a supplemental information layer to be arranged on that surface of the storage medium which features the metallic ion doping in the proximity of the surface, thereby achieving simultaneously an effective protection of such metallic ion doping on the surface of the storage material.

-- Please replace ¶ 1 on p. 9 with the following amended replacement paragraph:

Figure 1 illustrates a storage medium according to the invention, which may be termed a hybrid storage medium, consisting of a first disk-shaped sensitive doped glass 1 and a second surmounting polymer disk 3 arranged behind the glass in the direction of the laser beam. In the area of its surface 2, the glass disk 1 comprises metallic ion doping, evenly applied ~~onto~~ into the glass for example already during the process of manufacture.

-- Please replace the Abstract with the following amended replacement Abstract:

The invention relates to a storage medium for storing information/data, wherein the storage medium comprises a dielectric storage material, more particularly a disk-shaped storage material on which a metal ion donor medium is arranged or can be applied on at least one side thereof. Metal ions can be transferred from the donor medium ~~onto~~ into the storage medium by exposing the storage medium to radiation, more particularly to laser radiation. The invention also relates to a storage medium for storing information/data, wherein the storage medium comprises a dielectric storage material, more particularly a disk-shaped storage material having at least one local metal ion doping, wherein the metal ions can be converted into metal particles and/or metal particles agglomerations by means of radiation, more particularly laser radiation. ~~The invention further relates to a method for storing and/or reading data with a storage medium, more particularly in accordance with one of the above mentioned claims, whereby~~

~~doping of the storage medium/material with metal ions from a donor medium arranged on the storage medium/material is carried out by radiating the storage medium/material with a electromagnetic and/or particle radiation, more particularly laser radiation, or information in the storage material is stored in a dielectric storage material that is at least locally doped with metal ions through local metal particle formation from the metal ions by radiating the storage medium/material with electromagnetic and/or particle radiation more particularly laser radiation, and/or stored information is read by transmission and/or reflection scanning the storage material with the above-mentioned radiation.~~